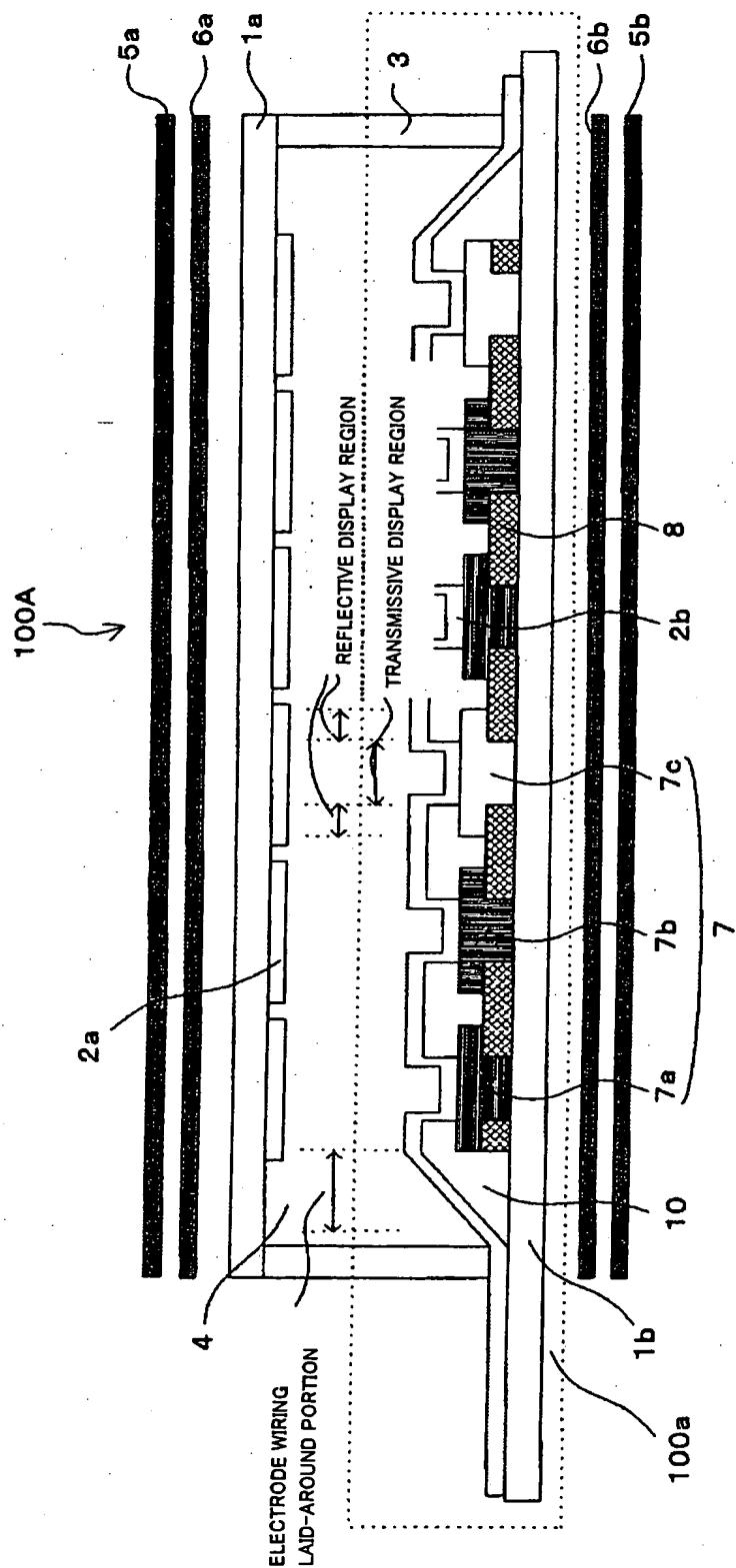


Title: SUBSTRATE FOR ELECTRO-OPTICAL DEVICE, METHOD OF MANUFACTURING
SUBSTRATE FOR ELECTRO-OPTICAL DEVICE, ELECTRO-OPTICAL DEVICE, AND
ELECTRONIC APPARATUS

Inventor: Reiko WACHI
Atty. Ref.: 9319S-000617

1/15

FIG. 1



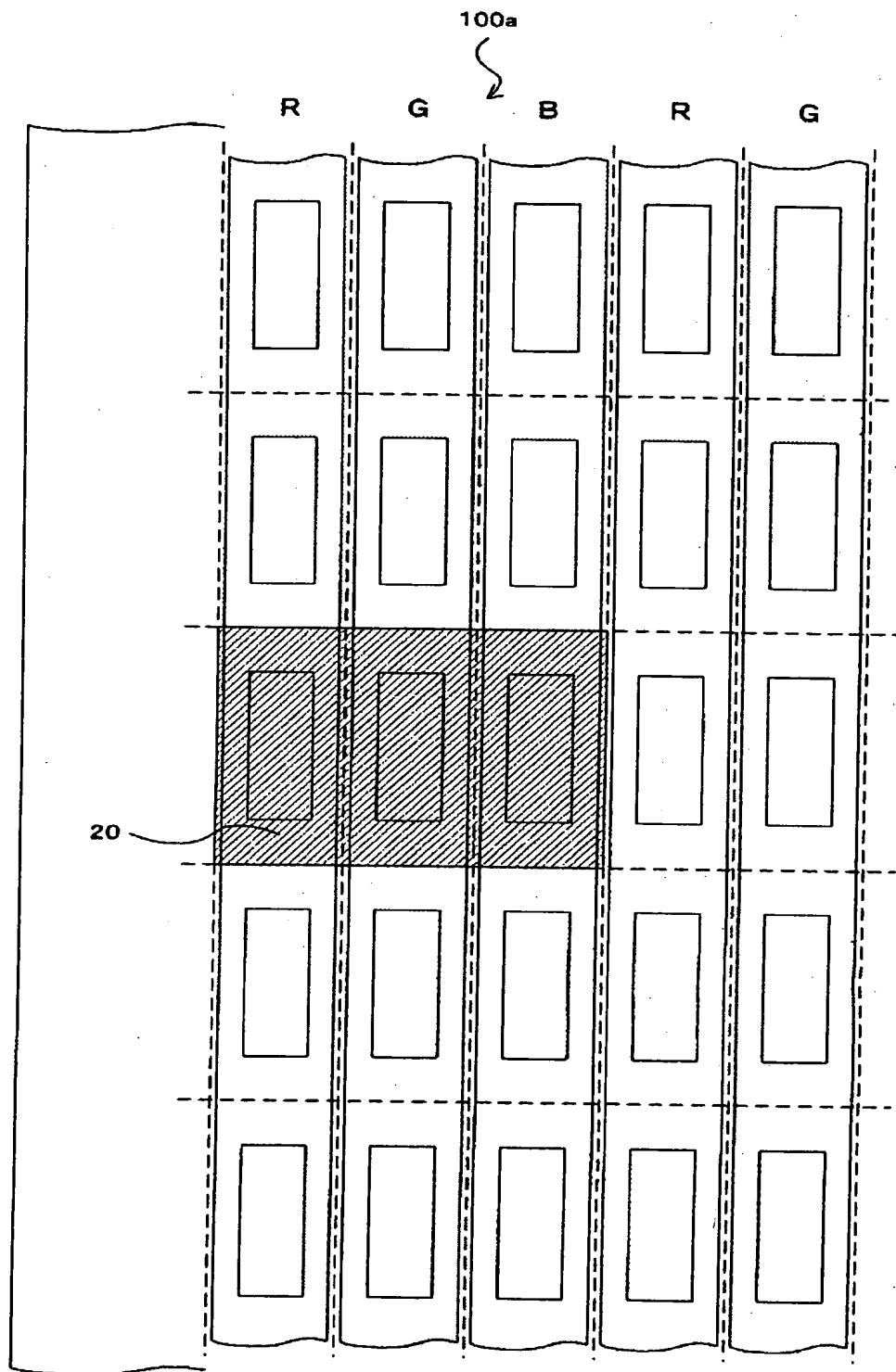
BEST AVAILABLE COPY

Title: SUBSTRATE FOR ELECTRO-OPTICAL DEVICE, METHOD OF MANUFACTURING
SUBSTRATE FOR ELECTRO-OPTICAL DEVICE, ELECTRO-OPTICAL DEVICE, AND
ELECTRONIC APPARATUS

Inventor: Reiko WACHI
Atty. Ref.: 9319S-000617

2/15

FIG. 2



Title: SUBSTRATE FOR ELECTRO-OPTICAL DEVICE, METHOD OF MANUFACTURING
SUBSTRATE FOR ELECTRO-OPTICAL DEVICE, ELECTRO-OPTICAL DEVICE, AND
ELECTRONIC APPARATUS

Inventor: Reiko WACHI
Atty. Ref.: 9319S-000617

3/15

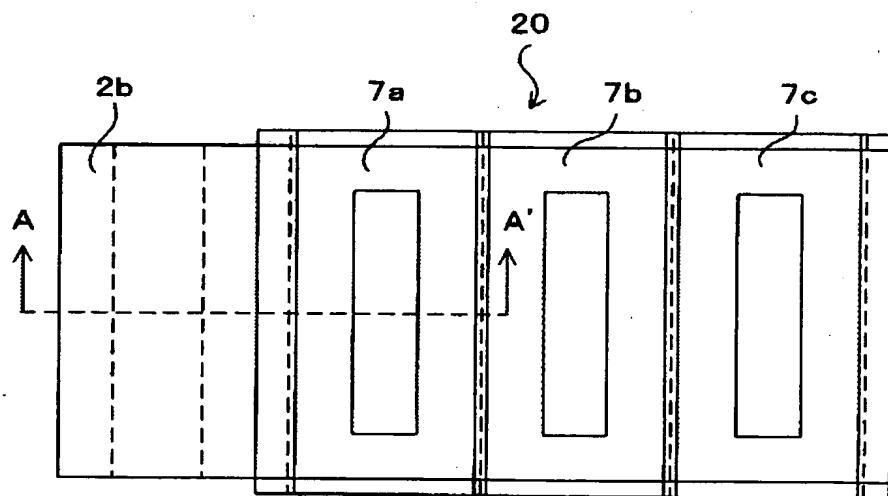


FIG. 3A

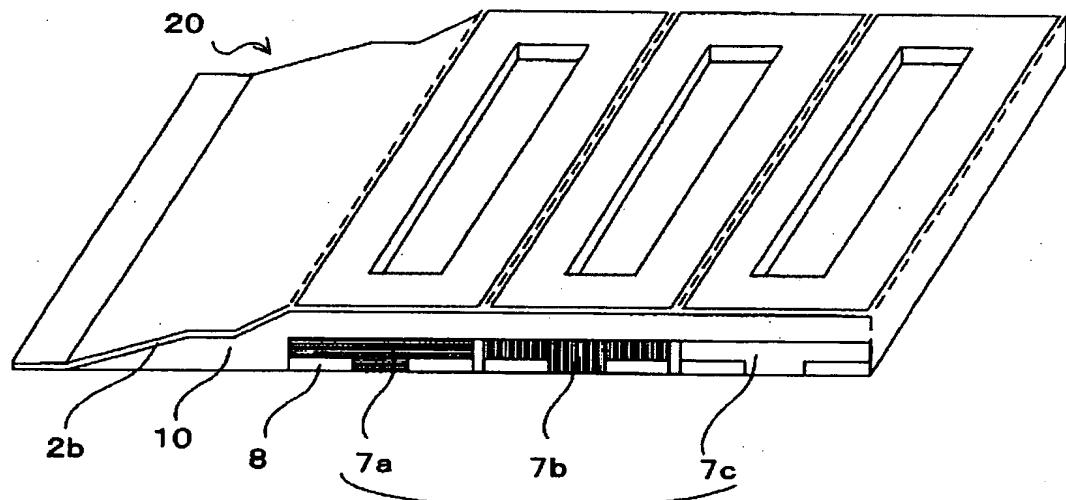


FIG. 3B

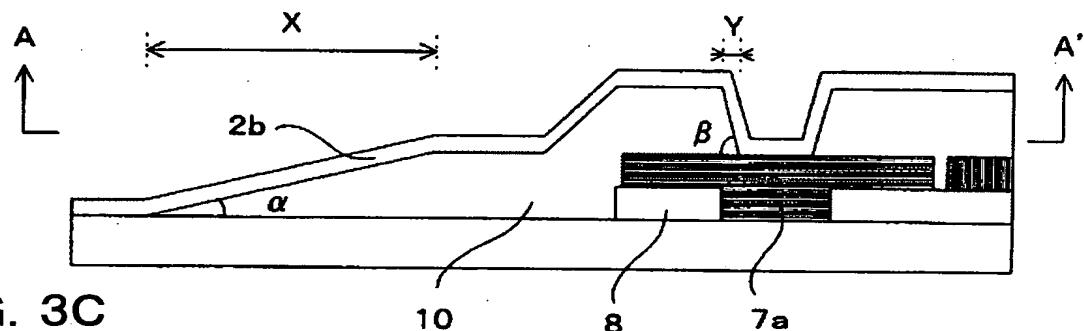


FIG. 3C

Title: SUBSTRATE FOR ELECTRO-OPTICAL DEVICE, METHOD OF MANUFACTURING,
SUBSTRATE FOR ELECTRO-OPTICAL DEVICE, ELECTRO-OPTICAL DEVICE, AND
ELECTRONIC APPARATUS

Inventor: Reiko WACHI
Atty. Ref.: 9319S-000617

4/15

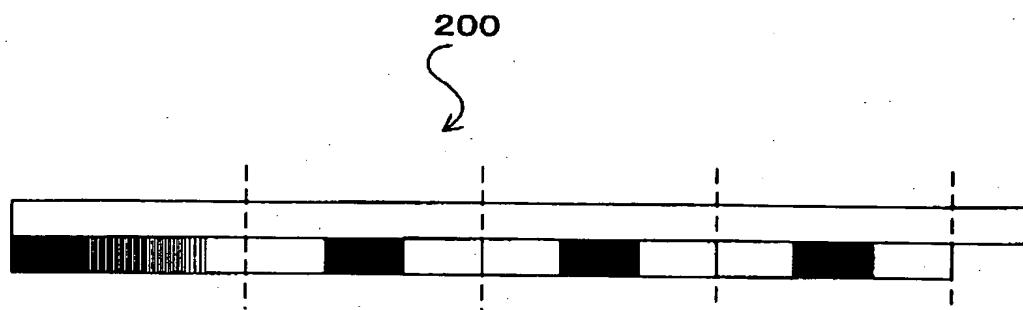


FIG. 4A

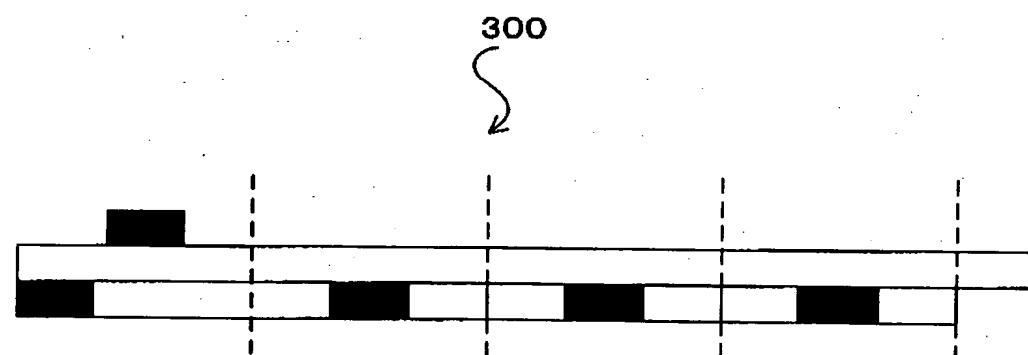


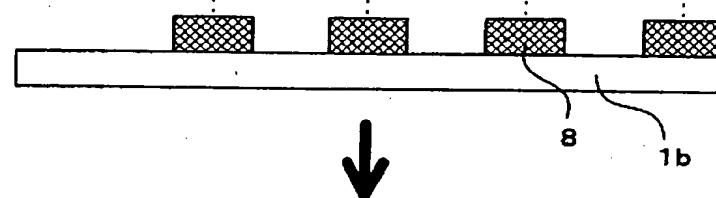
FIG. 4B

FIG. 5

PROCESS 1 OF MANUFACTURING A MULTI-GAP TYPE COLOR FILTER SUBSTRATE

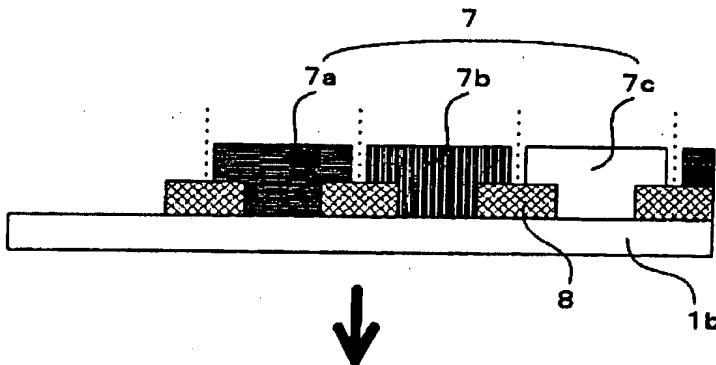
P01

FORMING A LIGHT
REFLECTING FILM



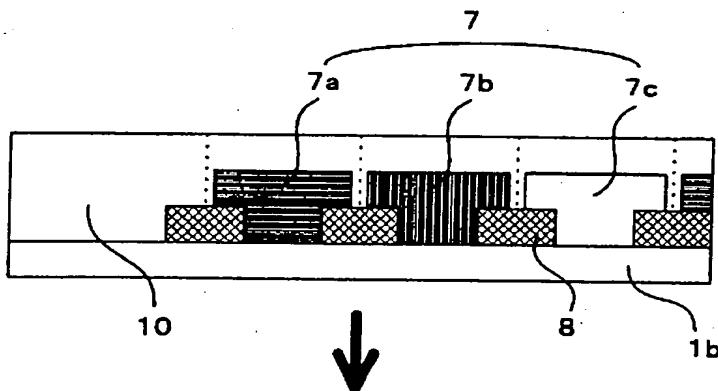
P02

FORMING A COLOR FILTER



P03

FORMING AN OVERCOAT
FILM



Title: SUBSTRATE FOR ELECTRO-OPTICAL DEVICE, METHOD OF MANUFACTURING
SUBSTRATE FOR ELECTRO-OPTICAL DEVICE, ELECTRO-OPTICAL DEVICE, AND
ELECTRONIC APPARATUS

Inventor: Reiko WACHI
Atty. Ref.: 9319S-000617

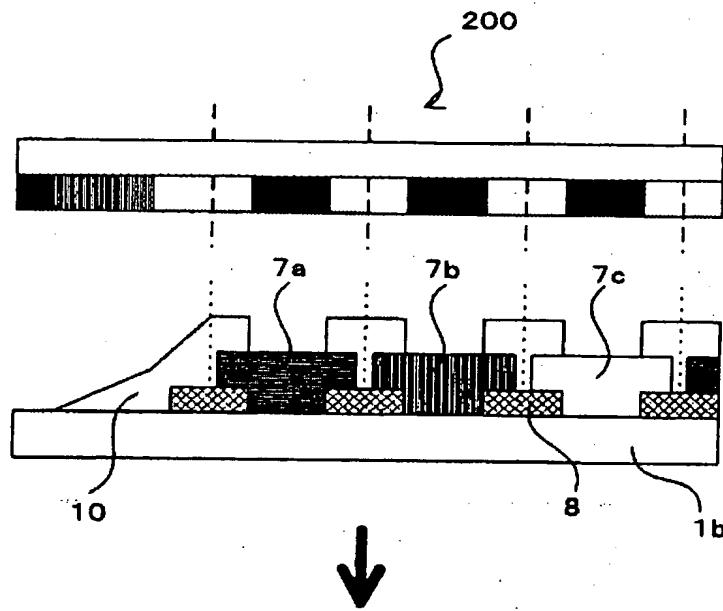
6/15

FIG. 6

PROCESS 2 OF MANUFACTURING THE MULTI-GAP TYPE COLOR FILTER SUBSTRATE

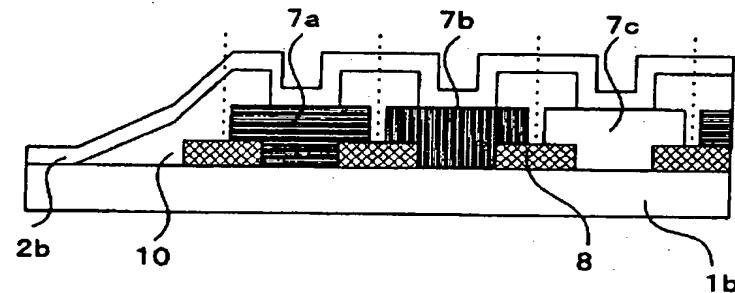
P04

PATTERNING THE
OVERCOAT FILM



P05

FORMING A TRANSPARENT
ELECTRODE



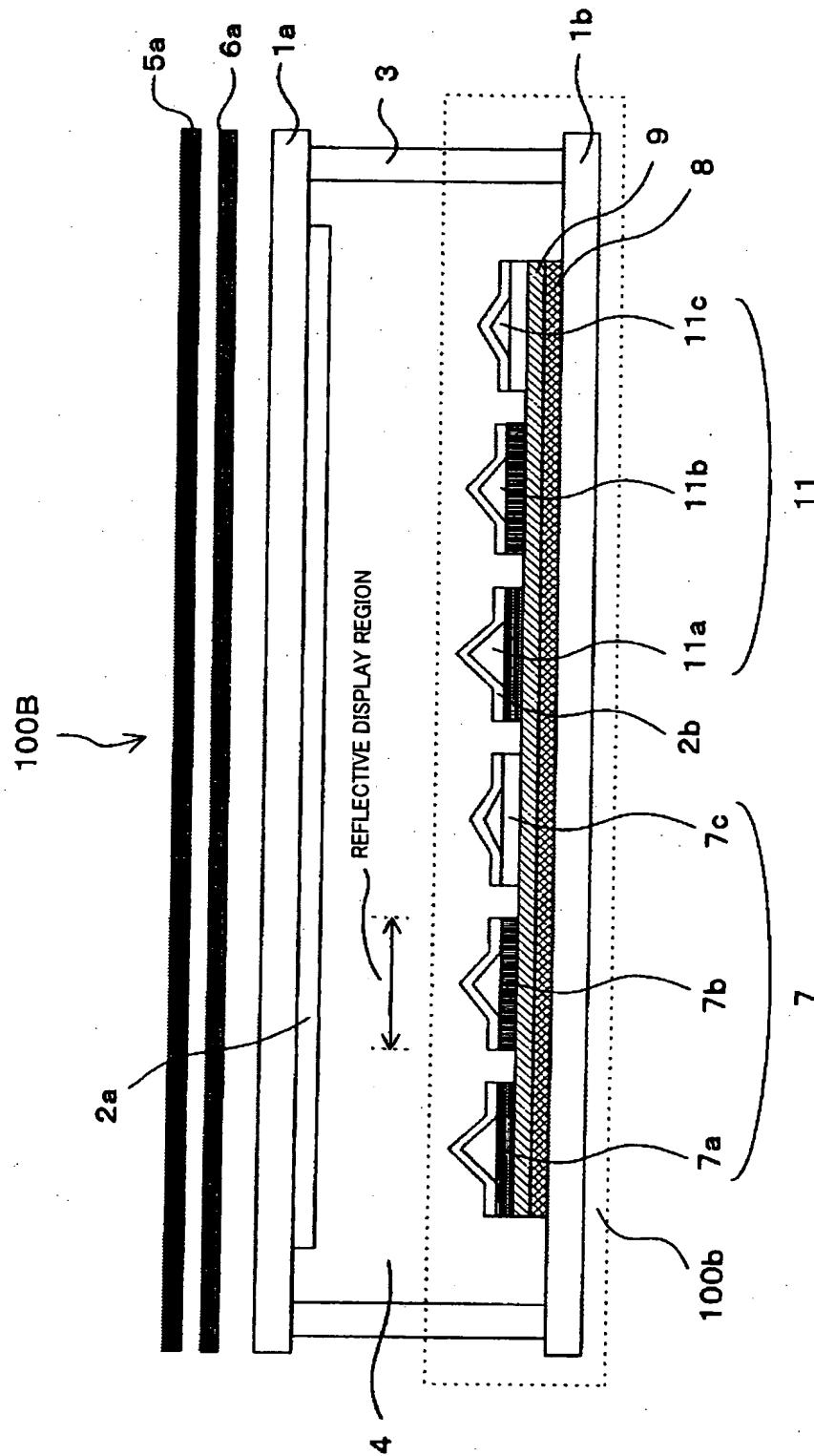
BEST AVAILABLE COPY

Title: SUBSTRATE FOR ELECTRO-OPTICAL DEVICE, METHOD OF MANUFACTURING
SUBSTRATE FOR ELECTRO-OPTICAL DEVICE, ELECTRO-OPTICAL DEVICE, AND
ELECTRONIC APPARATUS

Inventor: Reiko WACHI
Atty. Ref.: 9319S-000617

7/15

FIG. 7

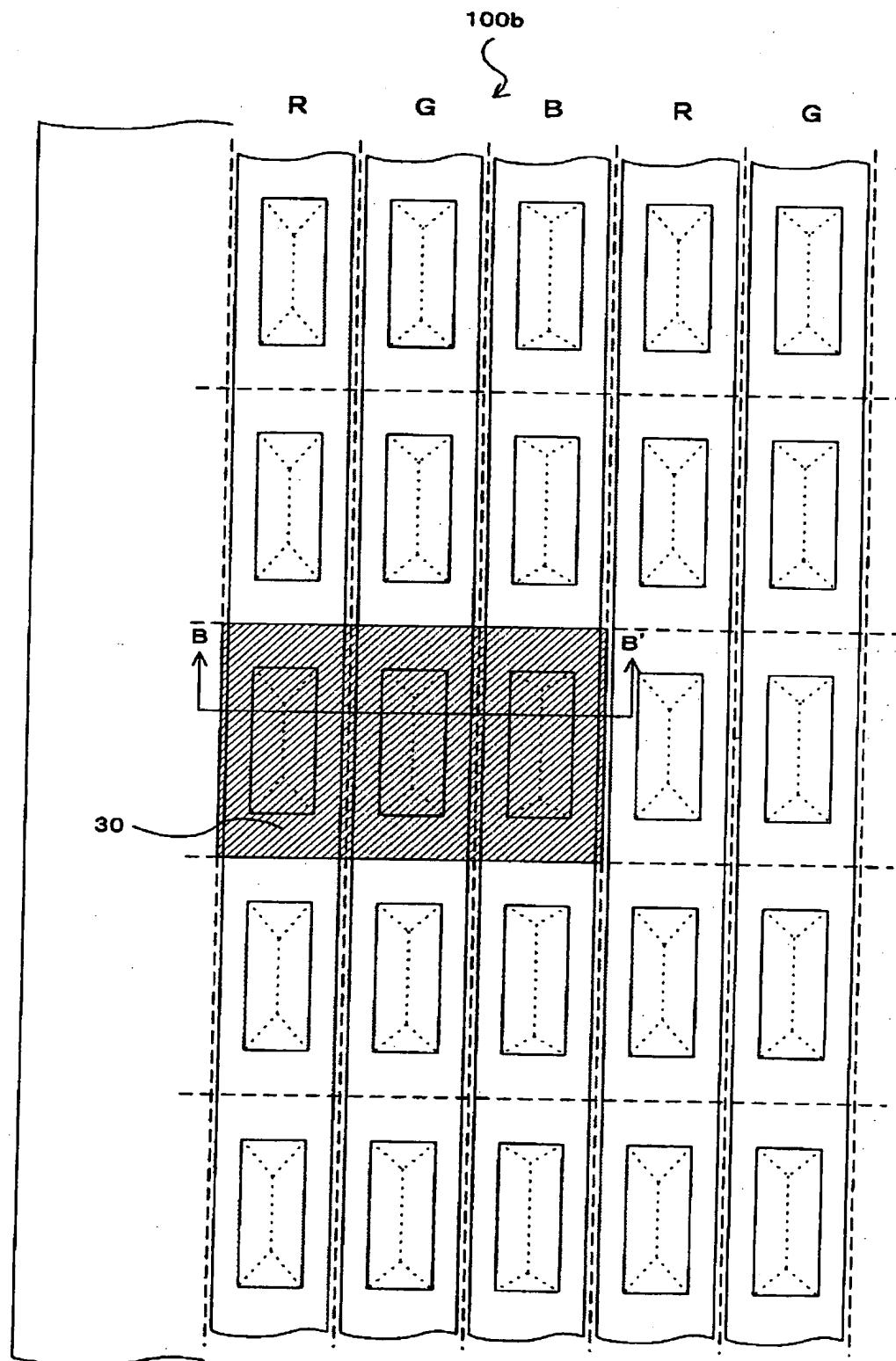


Title: SUBSTRATE FOR ELECTRO-OPTICAL DEVICE, METHOD OF MANUFACTURING
SUBSTRATE FOR ELECTRO-OPTICAL DEVICE, ELECTRO-OPTICAL DEVICE, AND
ELECTRONIC APPARATUS

Inventor: Reiko WACHI
Atty. Ref.: 9319S-000617

8/15

FIG. 8



BEST AVAILABLE COPY

Title: SUBSTRATE FOR ELECTRO-OPTICAL DEVICE, METHOD OF MANUFACTURING
SUBSTRATE FOR ELECTRO-OPTICAL DEVICE, ELECTRO-OPTICAL DEVICE, AND
ELECTRONIC APPARATUS

Inventor: Reiko WACHI
Atty. Ref.: 9319S-000617

9/15

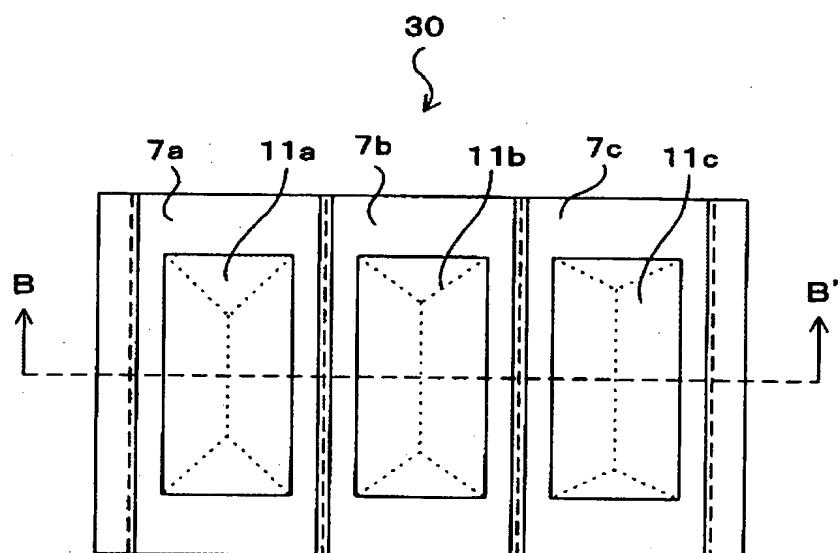


FIG. 9A

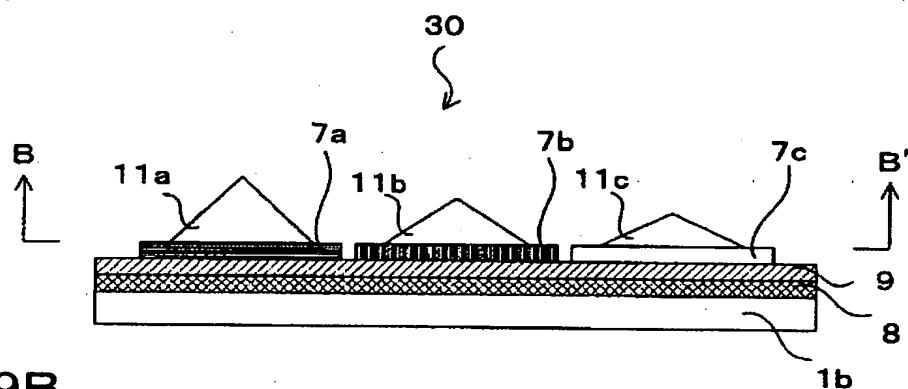


FIG. 9B

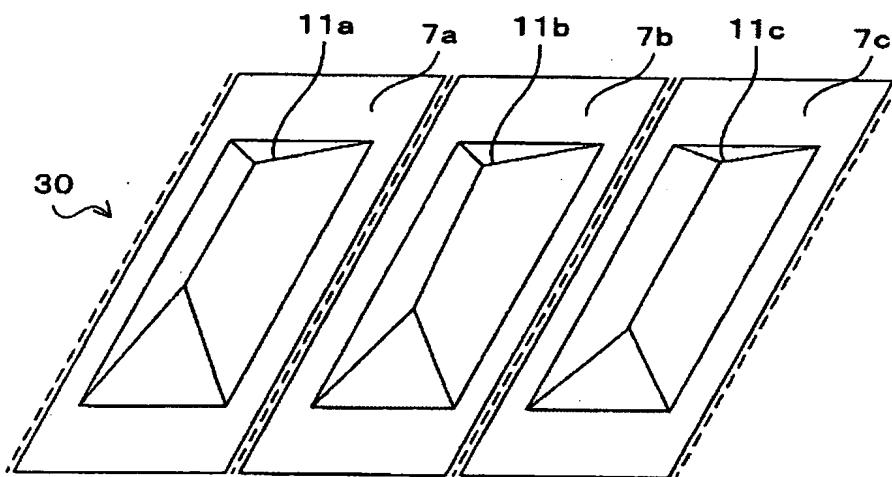


FIG. 9C

Title: SUBSTRATE FOR ELECTRO-OPTICAL DEVICE, METHOD OF MANUFACTURING
SUBSTRATE FOR ELECTRO-OPTICAL DEVICE, ELECTRO-OPTICAL DEVICE, AND
ELECTRONIC APPARATUS

Inventor: Reiko WACHI
Atty. Ref.: 9319S-000617

10/15

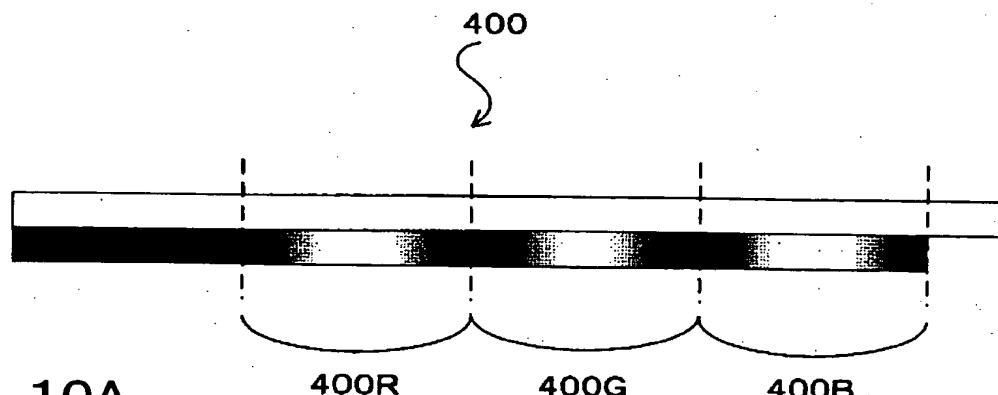


FIG. 10A

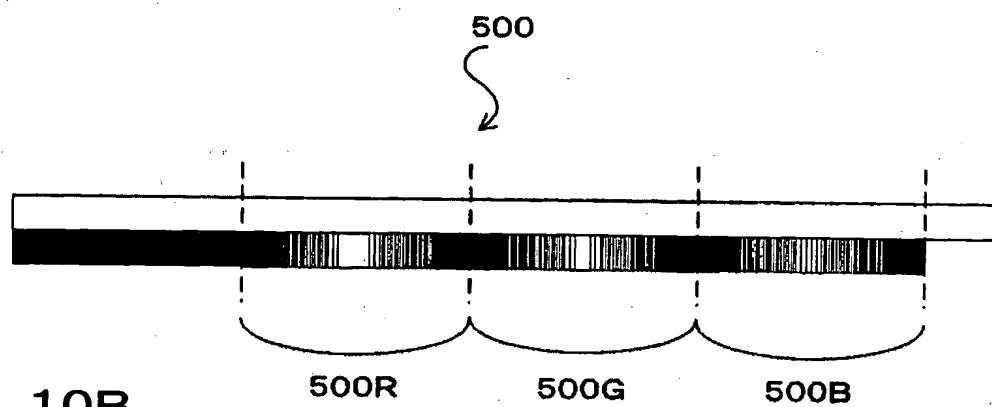


FIG. 10B

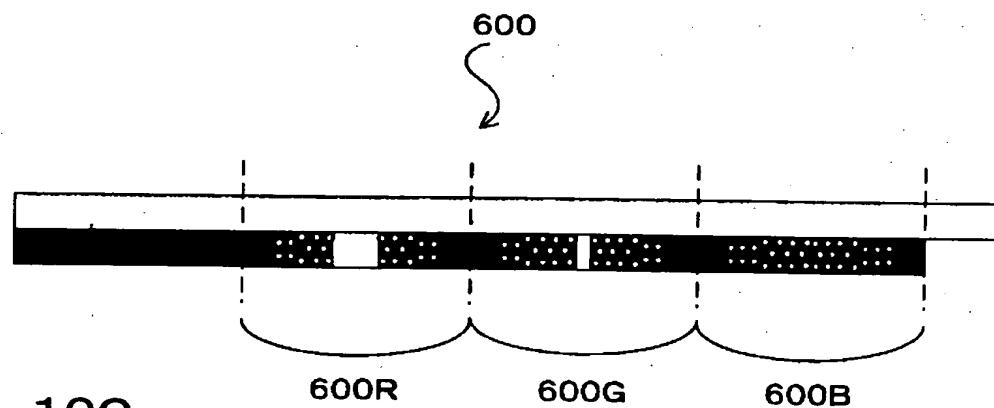


FIG. 10C

Title: SUBSTRATE FOR ELECTRO-OPTICAL DEVICE, METHOD OF MANUFACTURING
SUBSTRATE FOR ELECTRO-OPTICAL DEVICE, ELECTRO-OPTICAL DEVICE, AND
ELECTRONIC APPARATUS

Inventor: Reiko WACHI
Atty. Ref.: 9319S-000617

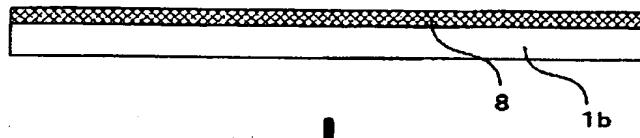
11/15

FIG. 11

PROCESS 1 OF MANUFACTURING A COLOR FILTER
SUBSTRATE FOR VERTICAL ALIGNMENT CONTROL

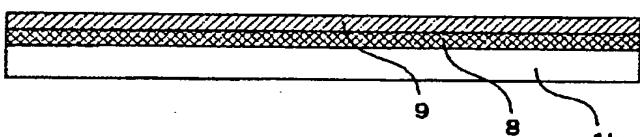
T01

FORMING A LIGHT
REFLECTING FILM



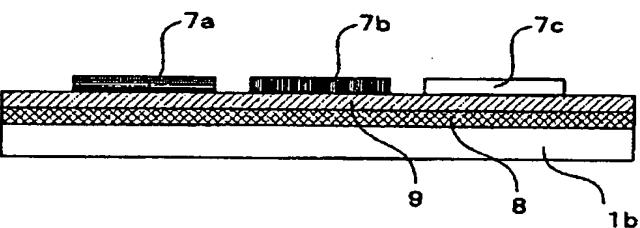
T02

FORMING A
INSULATING FILM



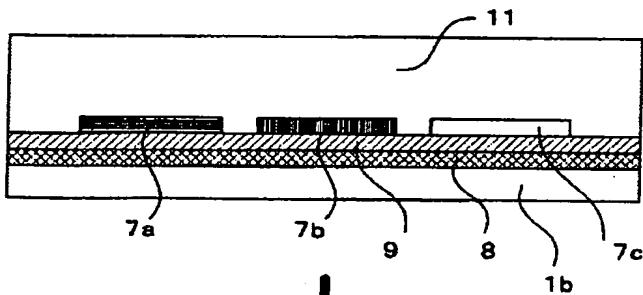
T03

FORMING A COLOR FILTER



T04

COATING ALIGNMENT CONTROL
PROTRUSION MATERIAL



BEST AVAILABLE COPY

Title: SUBSTRATE FOR ELECTRO-OPTICAL DEVICE, METHOD OF MANUFACTURING
SUBSTRATE FOR ELECTRO-OPTICAL DEVICE, ELECTRO-OPTICAL DEVICE, AND
ELECTRONIC APPARATUS

Inventor: Reiko WACHI
Atty. Ref.: 9319S-000617

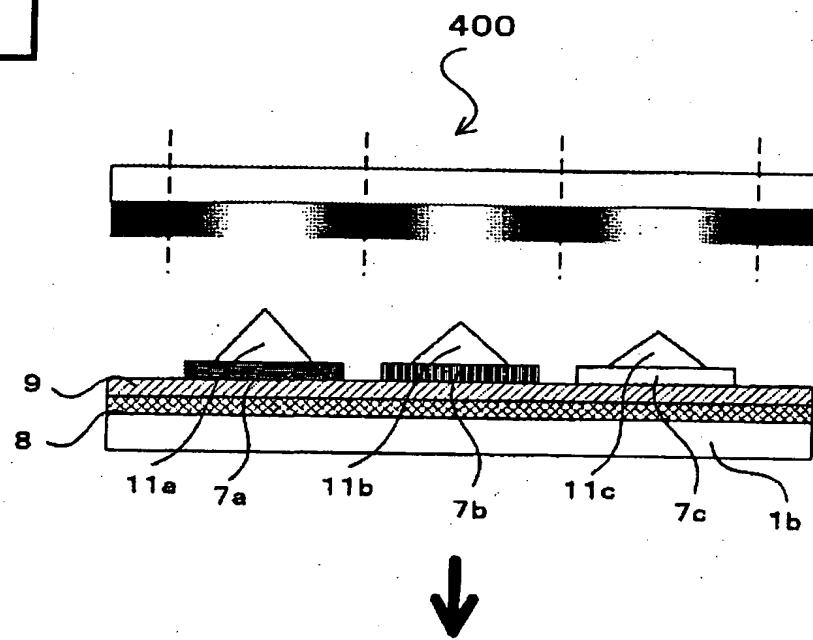
12/15

FIG. 12

PROCESS 2 OF MANUFACTURING THE COLOR FILTER
SUBSTRATE FOR VERTICAL ALIGNMENT CONTROL

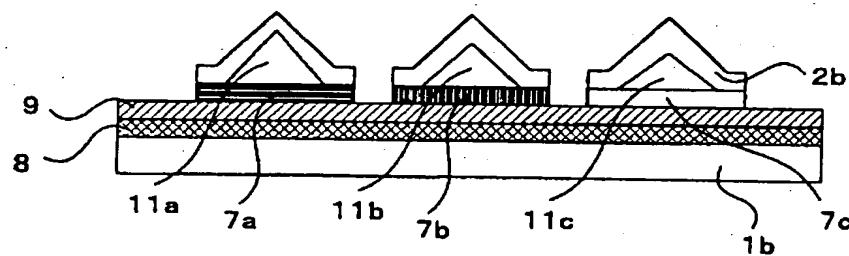
T05

PATTERNING ALIGNMENT
CONTROL PROTRUSIONS



T06

FORMING A TRANSPARENT
ELECTRODE



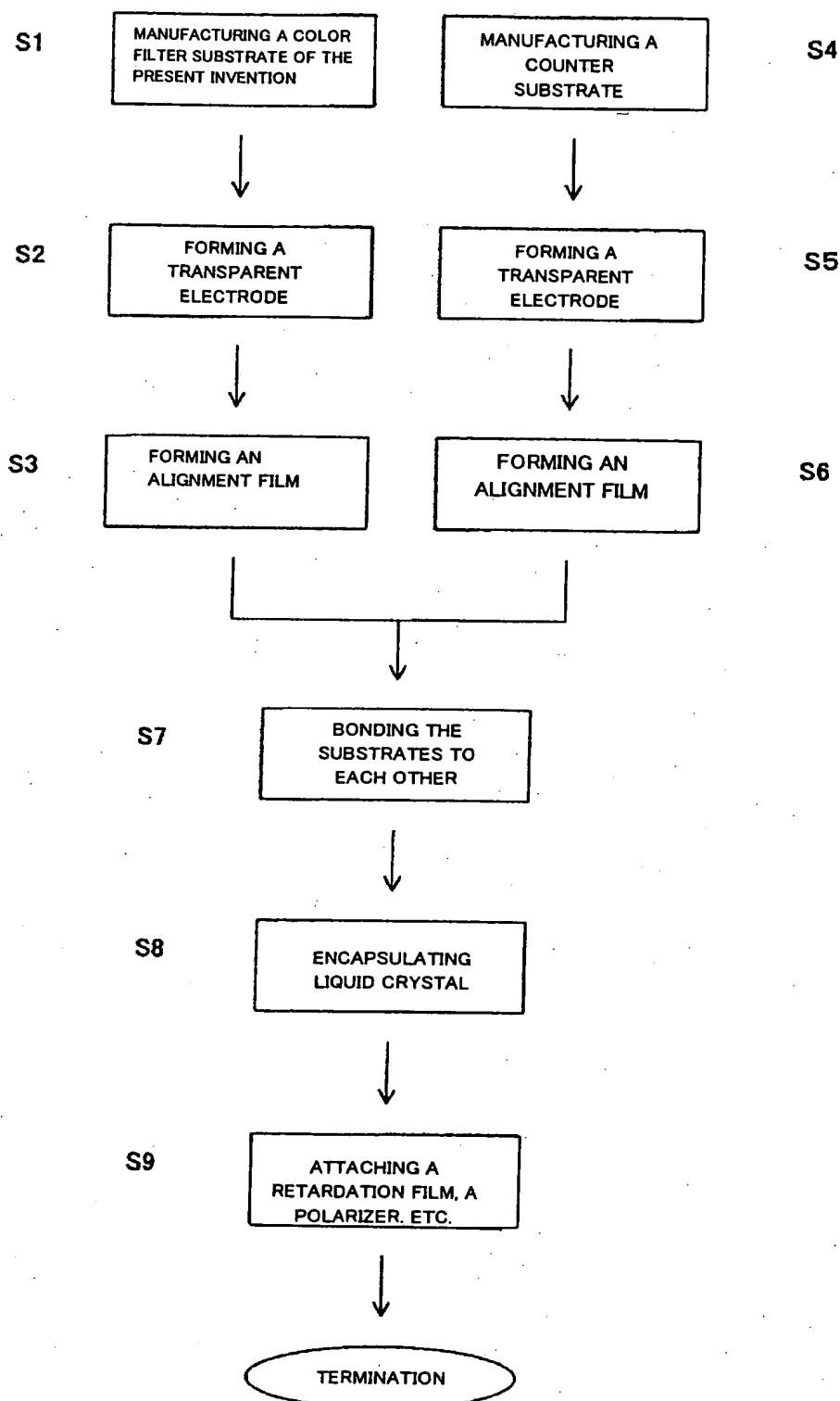
BEST AVAILABLE COPY

Title: SUBSTRATE FOR ELECTRO-OPTICAL DEVICE, METHOD OF MANUFACTURING
SUBSTRATE FOR ELECTRO-OPTICAL DEVICE, ELECTRO-OPTICAL DEVICE, AND
ELECTRONIC APPARATUS

Inventor: Reiko WACHI
Atty. Ref.: 9319S-000617

13/15

FIG. 13

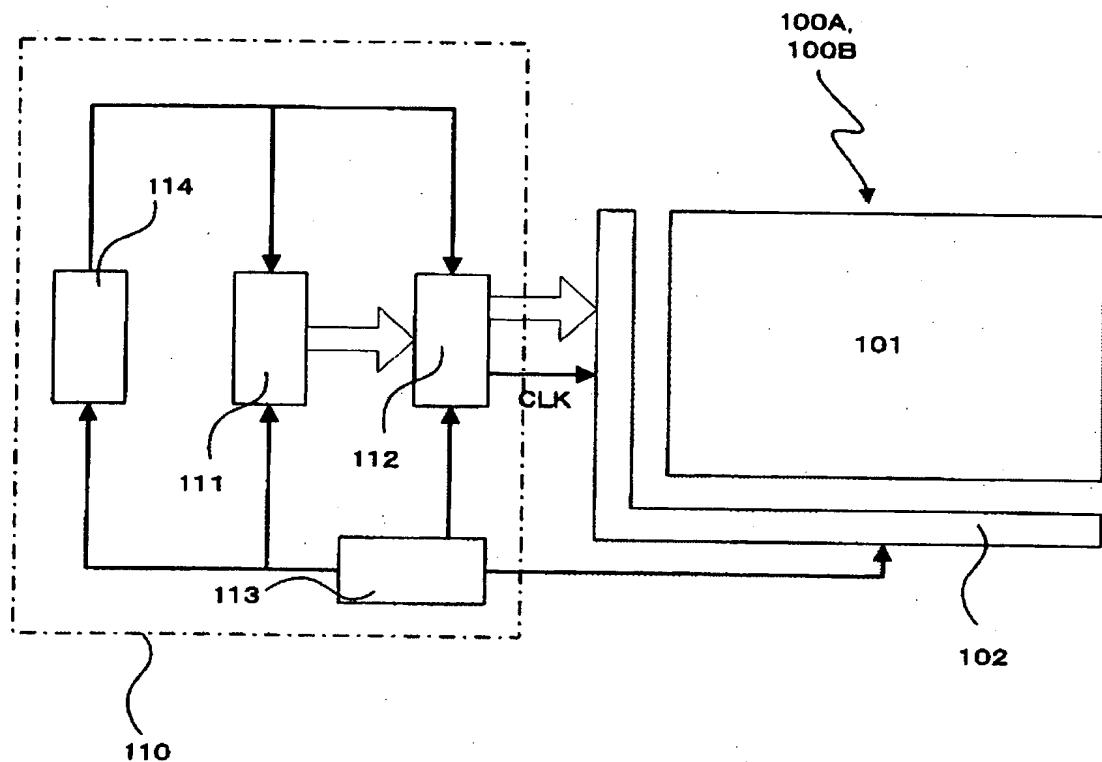


**Title: SUBSTRATE FOR ELECTRO-OPTICAL DEVICE, METHOD OF MANUFACTURING
SUBSTRATE FOR ELECTRO-OPTICAL DEVICE, ELECTRO-OPTICAL DEVICE, AND
ELECTRONIC APPARATUS**

Inventor: Reiko WACHI
Atty. Ref.: 9319S-000617

14/15

FIG. 14



BEST AVAILABLE COPY

Title: SUBSTRATE FOR ELECTRO-OPTICAL DEVICE, METHOD OF MANUFACTURING
SUBSTRATE FOR ELECTRO-OPTICAL DEVICE, ELECTRO-OPTICAL DEVICE, AND
ELECTRONIC APPARATUS

Inventor: Reiko WACHI
Atty. Ref.: 9319S-000617

15/15

FIG. 15A

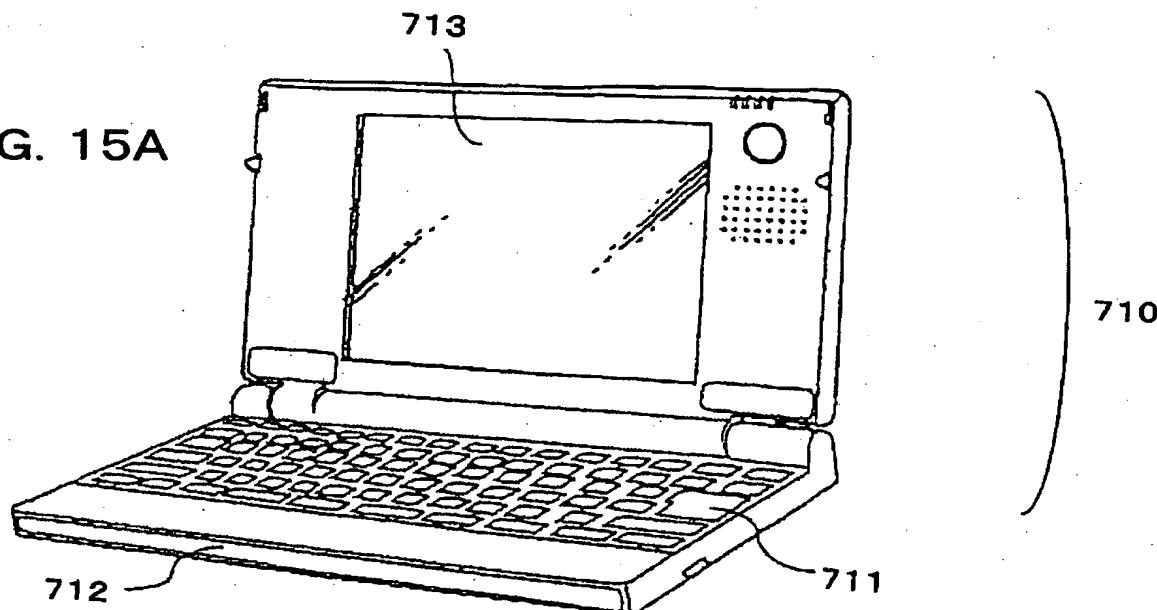


FIG. 15B

